

**The Physiology of Reproduction, 2nd Edition;** edited by E. Knobil and J.D. Neill, Raven Press; New York, 1994, 3302 pages. \$454.00. ISBN D-7817-0086-8.

This is the second edition of an excellent and very comprehensive compendium covering essentially all aspects of reproductive physiology with large overlaps with embryology of the gonad, biology of reproduction, and genetic aspects of reproduction. The new edition is very up-to-date with recent developments in the field, including the recent developments in molecular biology of sex determination and sex differentiation. At the same time it includes the classical, well-established knowledge in the field of physiology of reproduction. Nearly all chapters are of the highest quality with very exhaustive reference lists (e.g. the chapter on Fertilization lists 1735 references).

It is quite clear that a publication which includes more than 60 authors and 3250 pages must have some overlaps. The chapter on Embryology and Mammalian Gonads and Ducts should perhaps not have been placed under the heading *The Female*. This excellent chapter gives a broad overview of early fetal development of both female and

male gonads and should perhaps have been placed in the first part of the book.

Although most of the chapters seem to have been revised recently, the chapter on the Sertoli Cell does not include all relevant new findings. The list of products of the Sertoli cell is very incomplete. For example it does not include several enzymes (e.g.  $\gamma$ -glutamyl-transpeptidase), Müllerian inhibiting hormone, stem cell factor, interleukins, etc.

These minor negative comments do not overshadow the fact that the book is of great value as a reference book for both clinicians and basic research workers within the field of reproduction. The book is a gold mine for new Ph.D. students of any laboratory working with reproductive physiology. *Physiology of Reproduction* has established itself as a classic reference book.

Niels E. Skakkebaek

## Booklist No. 120

## October 1994

1. Marsh, J. and Goode, J. (eds) *Germline Development*. Ciba Foundation Symposium 182. Wiley & Sons; Chichester, 1994. ix + 321 pp. \$47.50.
2. Walker, J.M. (ed) *Basic Protein and Peptide Protocols*. Methods in Molecular Biology vol. 32. The Humana Press; Totowa, New Jersey, 1994. xii + 490 pp. \$59.50 (Pb).
3. Harwood, A.J. (ed) *Protocols for Gene Analysis*. Methods in Molecular Biology, vol. 31. The Humana Press; Totowa, New Jersey, 1994. xv + 411 pp. \$59.50 (Pb).
4. Op den Kamp, J.A.F. (ed) *Biological Membranes: Structure, Biogenesis and Dynamics*. NATO ASI Series H: Cell Biology vol. 82. Springer-Verlag; Berlin Heidelberg, 1994. x + 356 pp. DM228.00.
5. Walsh, G. and Headon, D.R. (eds) *Protein Biotechnology*. Wiley & Sons; Chichester, 1994. x + 371 pp. \$44.95.
6. Byrne, J.H. and Schultz, S.G. (eds) *An Introduction to Membrane Transport and Bioelectricity*. Foundations of General Physiology and Electrochemical Signalling. Raven Press, New York, 1994. ix + 198 pp. \$44.00 (pb). \$79.50 (hb).
7. Bock, K. and Clausen, H. (eds) *Complex Carbohydrates in Drug Research*. Structural and Functional Aspects. Alfred Benzon Symposium 36. Munksgaard; Copenhagen, 1994. 454 pp. DKK400.00.
8. Fukui, T. and Soda, K. (eds) *Molecular Aspects of Enzyme Catalysis*. VCH; Weinheim, 1994. xviii + 244 pp. DM208.
9. Authi, K.S., Watson, S.P. and Kakkar, V.V. (eds) *Mechanisms of Platelet Activation and Control*. Advances in Experimental Medicine and Biology, vol. 344. Plenum; New York, 1993. xiv + 272 pp. \$79.50.
10. Chadwick, D.J. and Ackrill, K. (eds) *The Biosynthesis of the Tetrapyrrole Pigments*. Ciba Foundation Symposium 180. Wiley & Sons; Chichester, 1994. xv + 350 pp. \$47.50.
11. Humphries, S.E. and Malcolm, S. (eds) *From Genotype to Phenotype*. BIOS Scientific Publisher; Oxford, 1994. xix + 290 pp. \$99.00.
12. Kauffman, F.C. (ed) *Conjugation-deconjugation Reactions in Drug Metabolism and Toxicity*. Handbook of Experimental Pharmacology, vol. 112. Springer-Verlag; Berlin Heidelberg, 1994. x + 530 pp. DM486.00.
13. Jucker, E. (ed) *Progress in Drug Research*, vol. 42. Birkhauser Verlag; Basel, 1994. 471 pp.
14. Belasco, J. and Brawerman, G. (eds) *Messenger RNA Stability*. Academic Press; San Diego, 1993. xviii + 517 pp. \$79.95.
15. Wilson, K. and Walker, J. (ed) *Principles and Techniques of Practical Biochemistry*. Cambridge University Press; Cambridge, 1994. xxix + 586 pp. \$99.95 (hb), \$34.95 (pb).
16. Forte, M. and Colombini, M. (eds) *Molecular Biology of Mitochondrial Transport Systems*. Nato ASI series H, vol. 83. Springer-Verlag; Berlin-Heidelberg, 1994. xii + 408 pp. DM248.
17. Krawczak, M. and Schmidtke, J. (eds) *DNA Fingerprinting*. BIOS Scientific Publishers; Oxford, 1994. vi + 107 pp. \$30.00 (pb).

The most recently published Booklists are the following:

- No. 105 (February, 1992) FEBS Lett. 297, 312–314.  
 No. 106 (March, 1992) FEBS Lett. 299, 300–302.  
 No. 107 (May, 1992) FEBS Lett. 303, 100–102.  
 No. 108 (July, 1992) FEBS Lett. 306, 284–286.  
 No. 109 (September, 1992) FEBS Lett. 310, 96–98.  
 No. 110 (November, 1992) FEBS Lett. 313, 326–327.  
 No. 111 (January, 1993) FEBS Lett. 316, 205–207.  
 No. 112 (March, 1993) FEBS Lett. 319, 289–291.

- No. 113 (June, 1993) FEBS Lett. 323, 302–303.  
 No. 114 (July, 1993) FEBS Lett. 327, 120–122.  
 No. 115 (September, 1993) FEBS Lett. 331, 205–206.  
 No. 116 (November, 1993) FEBS Lett. 335, 147–149.  
 No. 117 (January, 1994) FEBS Lett. 337, 312–314.  
 No. 118 (May, 1994) FEBS Lett. 344, 270.  
 No. 119 (August 1994) FEBS Lett. 351, 144.